

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000369

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21B 7/15

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21B, E21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6164388 A (A.A. MARTUNOVICH ET AL), 26 December 2000 (26.12.2000), figures 1,7, and corresponding text --	1-4,29, 31-34,37,38, 40
Y	EPODOC/EPO TOMSK POLY "Electrical pulse column drill with core formation - has two coaxial insulated pipes with inner axially movable in relation to outer, and admitting feed of flushing fluid between them", SU 699836 A1, 19931030 --	1-4,29,31, 34,37,38,40
Y	US 5168940 A (W. FOPPE), 8 December 1992 (08.12.1992), whole document --	32,33

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

1 April 2005

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12-04-2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4741405 A (W.M. MOENY ET AL), 3 May 1988 (03.05.1988) --	1-58
A	US 2953353 A (R.R. ALLEN), 20 Sept 1960 (20.09.1960) -- -----	1-58

INTERNATIONAL SEARCH REPORT

Information on patent family members

01/03/2005

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US	6164388	A	26/12/2000	AU	3359297	A	11/05/1998
				RU	2123596	C	20/12/1998
				WO	9816713	A	23/04/1998

US	5168940	A	08/12/1992	AT	143456	T	15/10/1996
				AU	1102788	A	10/08/1988
				BR	8804952	A	17/10/1989
				DE	3701676	A	04/08/1988
				DE	3855581	D	00/00/0000
				EP	0327598	A,B	16/08/1989
				JP	1501878	T	29/06/1989
				KR	9604795	B	13/04/1996
				NO	884211	A	22/11/1988
				US	5107936	A	28/04/1992
				WO	8805491	A	28/07/1988

US	4741405	A	03/05/1988	NONE
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US	2953353	A	20/09/1960	NONE
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